

The spleen cells of mice that were immunized using the soluble and electrophoretically purified Apo B, were then used to produce hybridomas according to standard hybridoma methods. A resulting MAb, HB₃cB₃, binds selectively to LDL particles.

In the Claims

48. (four times amended) A method for making antibodies to an epitope of [an apolipoprotein or] a lipoprotein which reacts with the [apolipoprotein or] lipoprotein independently of lipid content and conformation of the [apolipoprotein or] lipoprotein, comprising

immunizing an animal with [apolipoprotein or] lipoprotein which is delipidated, reduced, carboxymethylated, and solubilized with a reducing or denaturing agent, wherein all self-aggregated and degraded material has been removed from the delipidated, reduced, carboxymethylated, and solubilized [apolipoprotein or] lipoprotein.

49. (amended) The method of claim 48 further comprising
isolating the spleen from the immunized animals,
producing hybridomas from the spleen, and
screening the hybridomas for binding to the desired apolipoprotein or lipoprotein.

50. (amended) The method of claim 49 for making antibodies to an apolipoprotein wherein the apolipoprotein is selected from the group consisting of Apo AI, Apo AII, Apo B, Apo CIII, and Apo E.

51. (amended) The method of claim 49 for making antibodies to a lipoprotein